

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Vaartstra) Group Art Unit: Unknown
Serial No.: Unassigned) Examiner: Unknown
Filed: Herewith)
For: METHODS, COMPLEXES, AND SYSTEMS FOR FORMING METAL-CONTAINING FILMS
ON SEMICONDUCTOR STRUCTURES

ELECTION UNDER 37 C.F.R. §§3.71 AND 3.73 AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The undersigned, being Assignee of the entire interest in the above-identified application by virtue of an Assignment recorded in the United States Patent and Trademark Office as set forth below or filed herewith, hereby elects, under 37 C.F.R. §3.71, to prosecute the application to the exclusion of the inventor(s).

The Assignee hereby revokes any previous Powers of Attorney and appoints: Ann M. Muetting (Reg. No. 33,977); Kevin W. Raasch (Reg. No. 35,651); Mark J. Gebhardt (Reg. No. 35,518); Amelia A. Buharin (Reg. No. 38,835); Victoria A. Sandberg (Reg. No. 41,287); Mark A. Hollingsworth (Reg. No. 38,491); Paul B. Simboli (Reg. No. 38,616); David L. Provence (Reg. No. 43,022); Lia M. Pappas (Reg. No. 34,095); W. Eric Webostad (Reg. No. 35,406); Walter M. Fields (Reg. No. 37,130); Charles B. Brantley, II (Reg. No. 38,086); Susan B. Collier (Reg. No. 34, 566); Kevin D. Martin (Reg. No. 37,882); and David J. Paul (Reg. No. 34,692)

as its attorney or agent (with full powers of appointment, substitution, and revocation) to prosecute the application, and any division, continuation, continuation-in-part, reexamination, or reissue thereof, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office in connection therewith, and to receive any Letters Patent.

Pursuant to 37 C.F.R. §3.73, the undersigned certifies that the evidentiary documents have been reviewed, specifically the Assignment to Micron Technology, Inc. referenced below, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

Please direct all communications as follows:

Attention: Ann M. Muetting
Muetting, Raasch & Gebhardt, P.A.
P.O. Box 581415
Minneapolis, MN 55458-1415
Telephone No. (612) 305-1217

ASSIGNEE: Micron Technology, Inc.

Date: 9/2/98

By: [Signature]
Name: Michael L. Lynch
Title: Chief Patent Counsel

ASSIGNMENT:

☒ Concurrently filed herewith for recording, a copy of which is attached hereto.
☐ Previously recorded on: _____, at Reel: _____ Frame: _____.

DECLARATION

I, Brian A. Vaartstra, declare that: (1) my citizenship and mailing address are indicated below; (2) I have reviewed and understand the contents of the specification identified below, including the claims, as amended by any amendment specifically referred to herein, (3) I believe that I am the original and first inventor of the subject matter in

METHODS, COMPLEXES, AND SYSTEMS FOR FORMING METAL-CONTAINING FILMS ON
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described and claimed therein and for which a patent is sought; and (4) I hereby acknowledge my duty to disclose to the Patent and Trademark Office all information known to me to be material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56.*

The undersigned declares further that all statements made herein of his/her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Wherefore, I pray that Letters Patent be granted to me for the invention described and claimed in the specification identified above and I hereby subscribe my name to the foregoing specification and claims, Declaration and Power of Attorney, on the date indicated below.

Name: Brian A. Vaartstra
Citizenship: Canada
Address: 3417 Braden Lane
Nampa, ID 83686

Sept '98

Date

*Title 37, Code of Federal Regulations, §1.56 is reproduced on the attached page.

Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Urban population density (per sq km)	Population growth rate (%)	Urban population growth rate (%)	Population growth rate (%)	Urban population growth rate (%)	Population growth rate (%)	Urban population growth rate (%)
Algeria	1980	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	1985	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	1990	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	1995	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2000	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2005	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2010	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2015	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2020	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2025	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2030	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2035	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2040	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2045	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2050	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2055	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2060	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2065	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2070	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2075	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2080	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2085	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2090	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2095	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2100	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2105	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2110	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2115	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2120	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2125	12.1	4.1	33.9	10.1	10.1	1.8	2.1	1.8	2.1	1.8	2.1
Algeria	2130	12.1	4.1	33.9	10.1	10.1						

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.